

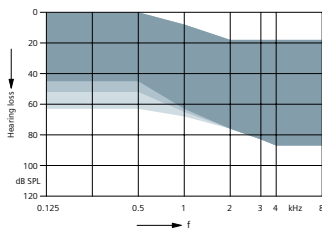


usa.siemens.com/hearing

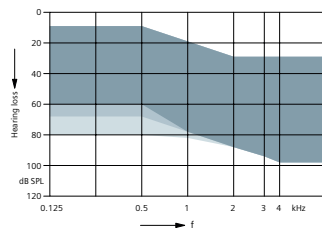
Technical Data

Pure™ binax

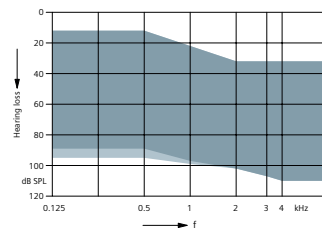
S-Receiver



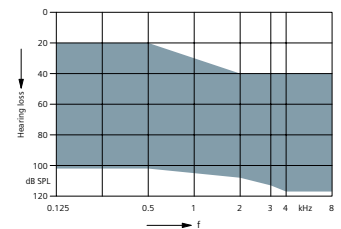
M-Receiver



P-Receiver



HP-Receiver



■ Open domes ■ Closed domes ■ Click Mold (no vent)

Description

Very small Receiver-in Canal (RIC) hearing system appropriate for up to severe hearing losses

General

Signal processing: **7bx** – 48-channel, **5bx** – 32-channel, **3bx** – 24-channel
 Gain/MPO: **7bx** – 20 handles, **5bx** – 16 handles, **3bx** – 12 handles
 Hearing programs 6
 touchControl App (iOS / Android)

Audibility

Directional microphone: **7bx** – 48-channels, **5bx** – 32-channels, **3bx** – 24-channels
 Narrow Directionality (req. bilateral fitting & e2e 3.0)
 Spatial SpeechFocus (req. bilateral fitting & e2e 3.0) – **7bx**
 SpeechFocus – **7/5bx**
 TruEar™
 Frequency compression

Sound Quality

eWindScreen binaural (req. bilateral fitting & e2e 3.0) – **7bx**
 eWindScreen™: **7/5bx** – 3-steps, **3bx** – on/off
 Extended bandwidth – **7bx**
 SoundBrilliance™ (streaming only, req. easyTek™) – **7/5bx**
 Adaptive streaming volume (streaming only, requires easyTek) – **7bx**
 Feedback cancellation
 Speech and noise management:
7bx – 48-channels 7-steps, **5bx** – 32-channels 5-steps, **3bx** – 24-channels 3-steps
 SoundSmoothing™:
7bx – 48-channels 3-steps, **5bx** – 32-channels 3-steps, **3bx** – 24-channels 1-step
 Directional speech enhancement:
7bx – 48-channels 3 steps, **5bx** – 32-channels 1-step

Individuality

Sound equalizer: **7bx** 6-classes, **5bx** 3-classes
 Data logging
 Learning: **7bx** – 6-classes, **5bx** – 3-classes, **3bx** – 1-class

Acclimatization manager

binax fit
 Spatial Configurator (req. bilateral fitting & e2e 3.0)
 Tinnitus Therapy (Frequency shaping channels):
7bx – 20-channel, **5bx** – 16-channels, **3bx** – 12-channels
 Standard, Ocean waves

Style Specific Features

Ingress Protection Rating IP67*
 Telecoil
 AutoPhone™
 Charging contacts
 Battery Size 312
 Battery door on/off function
 Nanocoated housing
 e2e wireless™ 3.0
 Audio streaming
 User controls coupling via e2e™
 Wireless programming via ConnexLink™

Instrument Configurations

Flat cover – optional
 Push Button – optional
 Rocker switch – optional
 Color conversion kit – optional

Accessories

ConnexLink®
 Programming pill
 eCharger™
 easyPocket™
 easyTek™
 Transmitter (req. easyTek)
 Voicelink™ (req. easyTek)

App

easyTek App (req. easyTek)
 touchControl™ App



Life sounds brilliant.

Pure binax · Technical Data

Type	S-Receiver	M-Receiver	P-Receiver	HP-Receiver
2 ccm coupler – Standard ANSI S3.22-2009				
Output Sound Pressure Level				
Peak	108 dB	119 dB	124 dB	130 dB
HF-Average OSPL 90	102 dB	114 dB	120 dB	124 dB
Gain (Input 50 dB)				
Peak	45 dB	60 dB	70 dB	75 dB
HF-Average	37 dB	50 dB	63 dB	68 dB
Reference Test Gain	25 dB	37 dB	43 dB	48 dB
Frequency Range				
7bx	100 - 10000 Hz	100 - 8800 Hz	100 - 7800 Hz	100 - 7500 Hz
5/3bx	100 - 8200 Hz	100 - 8200 Hz	100 - 7800 Hz	100 - 7400 Hz
Total Harmonic Distorsion				
500 Hz	1%	1%	2%	1%
800 Hz	1%	1%	2%	2%
1600 Hz	1%	2%	1%	1%
Equivalent Input Noise				
	18 dB	19 dB	18 dB	18 dB
Tinnitus Therapy Broadband				
	65 dB	70 dB	75 dB	85 dB
Inductive Coil Sensitivity				
HFA Splits ¹ (Left / Right)	84 / 84 dB	96 / 96 dB	102 / 102 dB	107 / 107 dB
RSETS ² (Left / Right)	-1 / -1 dB	-1 / -1 dB	-1 / -1 dB	-1 / -1 dB
Battery				
Type	312	312	312	312
Battery current drain	0.9 mA	1.0 mA	1.0 mA	1.1 mA
Battery life (Cell Zinc Air)	~130 h	~120 h	~120 h	~110 h
Battery life (rechargeable)	up to 16 h	–	–	–
AI – DI³				
	3.8			
ANSI C63.19				
	M4 / T4			

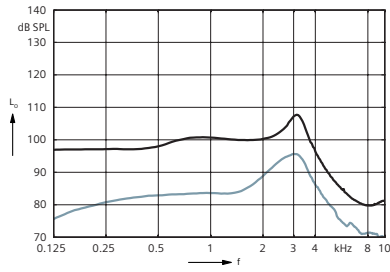
¹SPLITS=Coupler SPL for an Inductive Telephone Simulator

²RSETS=Relative Simulated Equivalent Telephone Sensitivity

³AI-DI = Articulation Index – Weighted Directivity Index

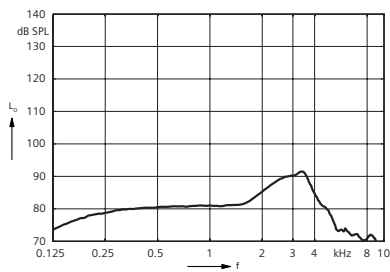
Pure binax · Basic Data

Closed Dome – 2cc coupler S-Receiver



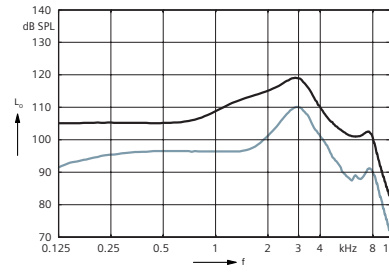
Output Sound Pressure Level
($L_i = 90$ dB)
ANSI S3.22-2009

Full on Gain
($L_i = 50$ dB)
ANSI S3.22-2009



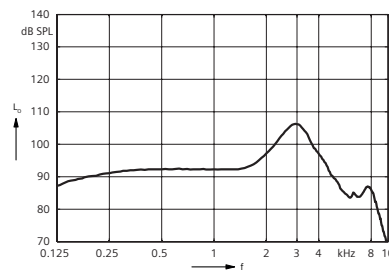
Frequency Response
($L_i = 60$ dB)
ANSI S3.22-2009

Closed Click Dome – 2cc coupler M-Receiver



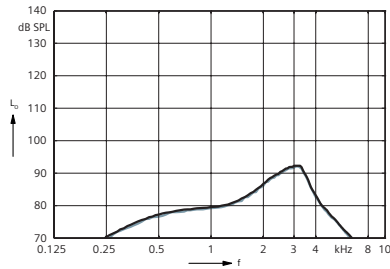
Output Sound Pressure Level
($L_i = 90$ dB)
ANSI S3.22-2009

Full on Gain
($L_i = 50$ dB)
ANSI S3.22-2009



Frequency Response
($L_i = 60$ dB)
ANSI S3.22-2009

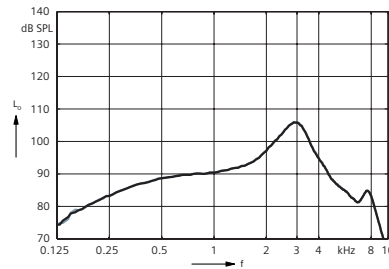
Inductive response



SPLITS curve left
($H = 31.6$ mA/m)
ANSI S3.22-2009

SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2009

Inductive response

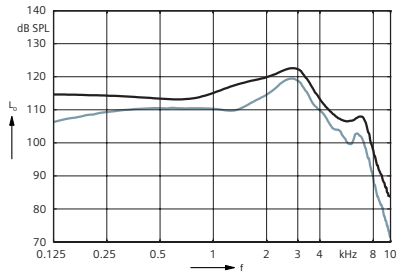


SPLITS curve left
($H = 31.6$ mA/m)
ANSI S3.22-2009

SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2009

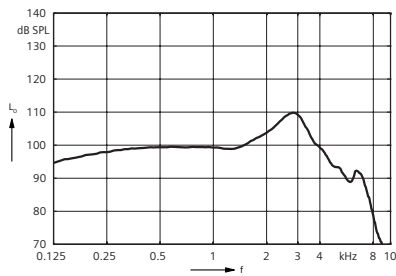
Pure binax · Basic Data (continued)

Click Mold – 2cc coupler P-Receiver



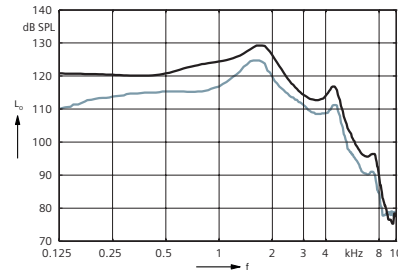
Output Sound Pressure Level
($L_i = 90$ dB)
ANSI S3.22-2009

Full on Gain
($L_i = 50$ dB)
ANSI S3.22-2009



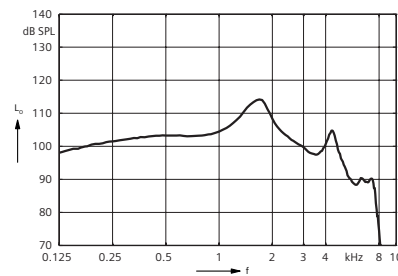
Frequency Response
($L_i = 60$ dB)
ANSI S3.22-2009

Custom Shell – 2cc coupler HP-Receiver



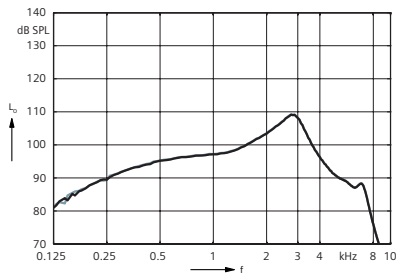
Output Sound Pressure Level
($L_i = 90$ dB)
ANSI S3.22-2009

Full on Gain
($L_i = 50$ dB)
ANSI S3.22-2009



Frequency Response
($L_i = 60$ dB)
ANSI S3.22-2009

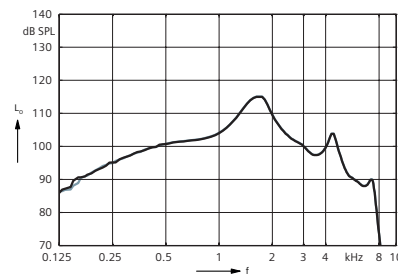
Inductive response



SPLITS curve left
($H = 31.6$ mA/m)
ANSI S3.22-2009

SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2009

Inductive response



SPLITS curve left
($H = 31.6$ mA/m)
ANSI S3.22-2009

SPLITS curve right
($H = 31.6$ mA/m)
ANSI S3.22-2009

 **WARNING**

Choking hazard posed by small parts.

- ▶ This instrument is not intended for the fitting of infants, small children and persons of mental incapacity

 **WARNING**

Instrument has an output sound pressure level of 132 dB SPL or more.

Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice. The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

*Achieved IP67 rating per IEC 60529 standard. Water-resistant device can be completely submerged in water up to 3 feet for 30 minutes and dust will not interfere with the satisfactory operation of the device.

Hearing instruments help many people hear better, but no hearing instrument can solve every hearing problem nor restore normal hearing.

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BTE and RIC Hearing Instruments made in Singapore.

Manufactured by

Sivantos, Inc.

10 Constitution Ave.

Piscataway, NJ 08854

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